



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

1647  
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Applicant: DeRobertis et al. Examiner: Unknown  
Serial No.: 09/903,180 Group Art Unit: 1647  
Filed: July 11, 2001 Docket: 510015-256  
Due Date: N/A  
Title: ENDODERM, CARDIAC AND NEURAL INDUCING FACTORS - XENOPUS FRAZZLED (FRZB-1) PROTEIN

CERTIFICATE UNDER 37 CFR 1.8

I hereby certify that this correspondence and identified enclosures are being deposited with the United States Postal Service, first class mail, postage prepaid, under 37 C.F.R. 1.8 on the date indicated, and is addressed to the Commissioner for Patents, Washington, D.C. 20231 on March 29, 2002.

*Kelly Walsh*  
Kelly Walsh

Commissioner for Patents  
Washington, D.C. 20231

Sir:

We are transmitting herewith the attached:

- ☐ Transmittal Sheet in duplicate containing Certificate of Mailing
- ☐ Information Disclosure Statement
- ☐ PTO Form 1449
- ☐ Return postcard

Please consider this a PETITION FOR EXTENSION OF TIME for a sufficient number of months to enter these papers, if appropriate. Please charge any additional fees or credit overpayment to Deposit Account No. 16-2230. A duplicate of this sheet is enclosed.

OPPENHEIMER WOLFF & DONNELLY LLP  
2029 Century Park East, 38th Floor  
Los Angeles, CA 90067-3024  
(310) 788-5000

By: *Spyros J. Lazaris*  
Name: Spyros J. Lazaris  
Reg. No.: 45,981  
SJL:kw



S/N 09/903,180

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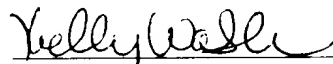
PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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Serial No.	09/903,180	Group Art Unit:	1647
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Kelly Walsh

INFORMATION DISCLOSURE STATEMENT (37 C.F.R. §1.97(b))

Commissioner for Patents  
Washington, D.C. 20231

Sir:

With regard to the above-identified application, the items of information listed on the enclosed Form 1449 are brought to the attention of the Examiner.

This statement should be considered because it is submitted before the issuance of an office action in the above-identified application. Accordingly, no fee is due for consideration of the items listed on the enclosed Form 1449.

In accordance with 37 C.F.R. §1.98(d)(1) and (2) copies of each document cited in the IDS is not submitted. Rather, the Applicant cites to all references submitted or cited in application numbers: 08/878,474 & 09/552,988 and for the Examiner's review.

S/N 09/903,180

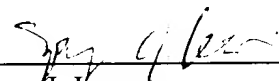
No representation is made that a reference is "prior art" within the meaning of 35 U.S.C. §§ 102 and 103 and Applicants reserve the right, pursuant to 37 C.F.R. § 1.131 or otherwise, to establish that the reference(s) are not "prior art." Moreover, Applicants do not represent that a reference has been thoroughly reviewed or that any relevance of any portion of a reference is intended.

Consideration of the items listed is respectfully requested. Pursuant to the provisions of M.P.E.P. 609, it is requested that the Examiner return a copy of the attached Form 1449, marked as being considered and initialed by the Examiner, to the undersigned with the next official communication.

Please charge any additional fees or credit any overpayment to Deposit Account No. 16-2230.

Respectfully submitted,

Date: MARCH 29, 2002

  
\_\_\_\_\_  
Spyros J. Lazaris,  
Reg. No. 45,981

OPPENHEIMER WOLFF & DONNELLY LLP  
2029 Century Park East  
38th Floor  
Los Angeles, CA 90067-3024  
Phone: (310) 788-5000  
FAX: (310) 788-5100

FORM 1449

## INFORMATION DISCLOSURE STATEMENT

## IN AN APPLICATION

(Use several sheets if necessary)

Docket Number: 510015-256

Application Number: 09/905,180

Applicant: De Robertis et al.

Filing Date: July 11, 2001

Group Art Unit: 1647

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	5,457,048	10/10/1995	Pasquale et al.	-----	-----	-----

## FOREIGN PATENT DOCUMENTS

DOCUMENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
					YES	NO
94/05791	03/17/1994	PCT	-----	-----	-----	-----
94/05800	03/17/1994	PCT	-----	-----	-----	-----

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

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	Christian et al., "Interactions between <i>Xwnt-8</i> and Spemann organizer signaling pathways generate dorsoventral pattern in the embryonic mesoderm of <i>Xenopus</i> ," <i>Genes &amp; Development</i> , 7, pp. 13-28 (1993)
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	Krasnow et al., " <i>dishevelled</i> is a component of the <i>frizzled</i> signaling pathway in <i>Drosophila</i> ," <i>Development</i> , 121, pp. 4095-4102 (1995)
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	Sasai et al., " <i>Xenopus chordin</i> : A Novel Dorsalizing Factor Activated by Organizer-Specific Homeobox Genes," <i>Cell</i> , 79, pp. 779-790 (December 2, 1994)
	Sasai et al., "Regulation of neural induction by the Chd and Bmp-4 antagonistic patterning signals in <i>Xenopus</i> ," <i>Nature</i> , 376, pp. 333-336 (27 July 1995)
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	Smith et al., "Expression Cloning of a noggin, a New Dorsalizing Factor Localized to the Spemann Organizer in <i>Xenopus</i> Embryos," <i>Cell</i> , 70, pp. 829-840 (September 4, 1992)
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	Wang et al., "A Large Family of Putative Transmembrane Receptors Homologous to the Product of the <i>Drosophila</i> Tissue Polarity Gene <i>frizzled</i> ," <i>J. of Biol. Chem.</i> , 271:8, pp. 4468-4476 (February 23, 1996)
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	Nathan and Sporn, "Cytokines in Context," <i>the Journal of Cell Biology</i> , 113 (5), pp. 981-986 (June 1991)
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EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form for next communication to the Applicant.